

Translation

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PATENT COOPERATION TREATY



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INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference S2819 GC/lko	FOR FURTHER ACTION See Notification of Transmittal of International Preliminary Examination Report (Form PCT/IPEA/416)	
International application No. PCT/EP2003/012350	International filing date (day/month/year) 05 November 2003 (05.11.2003)	Priority date (day/month/year) 27 November 2002 (27.11.2002)
International Patent Classification (IPC) or national classification and IPC H04L 7/04		
Applicant INFINEON TECHNOLOGIES AG		

1. This international preliminary examination report has been prepared by this International Preliminary Examining Authority and is transmitted to the applicant according to Article 36.
2. This REPORT consists of a total of <u>4</u> sheets, including this cover sheet. <input type="checkbox"/> This report is also accompanied by ANNEXES, i.e., sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications made before this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions under the PCT). These annexes consist of a total of _____ sheets.
3. This report contains indications relating to the following items: I <input checked="" type="checkbox"/> Basis of the report II <input type="checkbox"/> Priority III <input type="checkbox"/> Non-establishment of opinion with regard to novelty, inventive step and industrial applicability IV <input type="checkbox"/> Lack of unity of invention V <input checked="" type="checkbox"/> Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement VI <input type="checkbox"/> Certain documents cited VII <input type="checkbox"/> Certain defects in the international application VIII <input type="checkbox"/> Certain observations on the international application

Date of submission of the demand 24 June 2004 (24.06.2004)	Date of completion of this report 16 September 2004 (16.09.2004)
Name and mailing address of the IPEA/EP	Authorized officer
Facsimile No.	Telephone No.

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International application No.

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I. Basis of the report

1. This report has been drawn on the basis of *(Replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to the report since they do not contain amendments.)*:

- ☐ the international application as originally filed.
- ☒ the description, pages 1-9, as originally filed,
 pages _____, filed with the demand,
 pages _____, filed with the letter of _____,
 pages _____, filed with the letter of _____.
- ☒ the claims, Nos. 1-11, as originally filed,
 Nos. _____, as amended under Article 19,
 Nos. _____, filed with the demand,
 Nos. _____, filed with the letter of _____,
 Nos. _____, filed with the letter of _____.
- ☒ the drawings, sheets/fig 1/2-2/2, as originally filed,
 sheets/fig _____, filed with the demand,
 sheets/fig _____, filed with the letter of _____,
 sheets/fig _____, filed with the letter of _____.

2. The amendments have resulted in the cancellation of:

- ☐ the description, pages _____
- ☐ the claims, Nos. _____
- ☐ the drawings, sheets/fig _____

3. ☐ This report has been established as if (some of) the amendments had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).

4. Additional observations, if necessary:

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V. Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

1. Statement

Novelty (N)	Claims	1-11	YES
	Claims		NO
Inventive step (IS)	Claims	1-11	YES
	Claims		NO
Industrial applicability (IA)	Claims	1-11	YES
	Claims		NO

2. Citations and explanations

1. Reference is made to the following document:

D1: US-A-5 905 887 (CHEN HO-WEN ET AL) 18 May 1999
(1999-05-18).

2. Document D1 discloses a method for detecting the clock frequency of a CPU clock. The CPU clock (system clock) is delivered to both the CPU (host) and a peripheral device. The frequency is detected by using a second, that is to say, secondary clock, whose clock frequency is known.

3. The subject matter of claim 1 essentially differs from document D1 in that in the system disclosed in document D1 the secondary clock signal belongs to the peripheral device and is not applied to the host. The subject matter of claim 1 is therefore novel (PCT Article 33(2)).

4. The problem to be solved by the present invention is therefore understood to be that of determining how to dispense with a quartz clock. If the host itself also has to carry out a method for determining the clock frequency of the system clock, an external

clock or an internal quartz clock becomes necessary.

5. The solution to this problem proposed in claim 1 is not known from the prior art or the general technical knowledge in the field and hence not obvious to a person skilled in the art. The re-use of the secondary clock would make little sense in document D1 since the peripheral device is designed as insulation between the system bus signals and the ISA bus signals. Consequently, the application meets the requirements for inventive step of PCT Article 33(3).

Claims 2-11 are dependent on claim 1 and therefore likewise meet the PCT requirements for novelty and inventive step.